NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. does not necessarily identify all areas subject to flooding, particularly from loca drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

o obtain more detailed information in areas where Base Flood Elevations To obtain more detailed information in areas where Base Flood Elevations (EFE) and/or floodways have been determined users are reconcipated consultations of the production of

Coastal Base Flood Elevations shown on this map apply only landward of 0.0 National North American Vertical Datum of 1986 (NAVD 89). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Sillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Sillwater Elevations tables should be used for construction and/or floodplain management purposes when they are injury that the elevations shown on the Sillwater Si

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this

The projection used in the properation of this map was Massachusetts State Plane Meritad once IPPS200E 5000, meters. The Morborathal datums NAD 83, GRS80 spheroid. Differences in datum spheroid, projection or State Plane zones used in the production or FIRMs for adjacent jurisdictions may be plane zones used on the production of FIRMs for adjacent jurisdictions must in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRMs.

Flood elevations on this map are referenced to the North American Vertical Datum Flood elevations on this gas are referenced to the North American Vertical Listum of 1988. These flood elevations must be compared to structure and ground conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1928 in the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address.

NGS Information Services NOAA, NINGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Office of Geographic and Environmental Information (MassCills), Commonwealth of Massachusets, Executive Office of Energy and Environmental Affairs. This information was derived from digital corthophotos produced at a scale of 1:5,000 from serial photography dated April 2005.

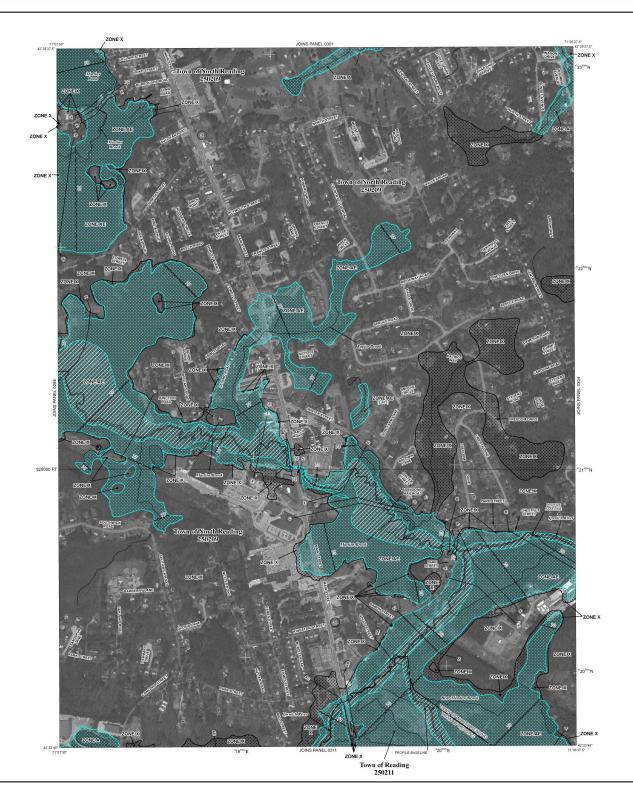
This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which reflects and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred affert this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood insurance Program dates for each community as well as a listing of the panels on which each

Contact the FEMA Map Service Center at 1-800-358-9616 for information or contact the Feath way Severice center at 1900-359-90 to its mioritation to variable products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flor Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) visit the FEMA website at http://www.tema.gov.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Area of Special Flood Hazard Indue Zones A, AE, AH, AO, AR, AS9, V, and VE. The Base Flood Bevation is the water-surface elevation of the 1% annual chance flood.

ZONE A

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood

ZONE AD

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also

Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently described. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood. ZONE AR

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood

Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined. ZONE VE

11// FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood height.

OTHER FLOOD AREAS

ZONE X

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS Areas determined to be outside the 0.2% annual chance floodplain

Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS OTHERWISE PROTECTED AREAS (OPAs)

OPAs are normally located within or adjacent to Special Flood Hazard Areas

1% annual chance floodplain boundary

0.2% annual chance floodplain boundars

Floodway boundary Zone D boundary

..... CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and -boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Base Flood Elevation line and value; elevation in feet* ~~~ 513 ~~~

Base Flood Elevation value where uniform within zone; elevation in feet*

Cross section line

(EL 987) (A)————(A) (2)—————(2)

• M1.5

87°07'45", 32°22'30"

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

1000-meter Universal Transverse Mercator grid values, zone

5000-foot grid values: Massachusetts State Plane coordinate system, Mainland zone (FIPSZONE 2001), Lambert Conforma

Bench mark (see explanation in Notes to Users section of this FIRM panel) DX5510 ×

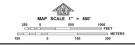
River Mile

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

EFFECTIVE DATE/S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Com Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insulagent or call the National Flood Insurance Program at 1-800-638-6620.





FL000D1

N/ATTIONN/ALL

NUMBER PANEL SUFFIX NORTH READING, TOWN OF 250209 0303 E READING, TOWN OF 250211 0300 E

PANEL 0303E



MAP NUMBER 25017C0303E

EFFECTIVE DATE JUNE 4, 2010

Federal Emergency Management Agency